Enron POI Detection Selection Chart

	GuassianNB		Decision T	ree	Random F	orest	Adaboost	OTC	PCA-DTC		Tuned-PC	A-DTC:						Average Delta Score
	Precision	Recall	Precision	Recall	Precision	Recall	Precision	Recall	Precision	Recall	Precision	Recall						Negative Coarse indicates that
All Features (22 Features)	0.14904	0.842	0.26385	0.25	0.42205	0.134	0.26854	0.248	0.23669	0.26	0.23017	0.206						Negative Scores indicates that feature Adversely affects classifie
Correlated > 0.2 (13 Features)	0.24739	0.3205	0.27283	0.245	0.46176	0.163	0.2525	0.227	0.26826	0.2975	0.27315	0.2965						·
Correlated > 0.2 Remove 'Total Stock Value'	0.2478698	0.32	0.2780514	0.254	0.4829629	0.163	0.2804054	0.249	0.2348297	0.238	0.2378167	0.244	0.000	-0.01 -	0.02 -	-0.04	0.092 0.087	0.007620515117
Correlated > 0.2 Remove 1 'expenses'	0.2468232	0.3205	0.2397727	0.211	0.4151472	0.148	0.2318514	0.206	0.2855100	0.2995	0.2782567	0.2905	0.000	0.081 0	082 0	0.091	-0.11 -0.08	0.1440147904
Correlated > 0.2 Remove 2 'loan advances'	0.3734939	0.31	0.2343400	0.2095	0.4597402	0.177	0.2356828	0.214	0.2538787	0.27	0.2571294	0.275	-0.11	0.006 -	0.07 -	-0.01	0.061 0.036	-0.1335311077
Correlated > 0.2 Remove 3 'shared_receipt_w	0.3864343	0.3105	0.2287117	0.2095	0.4205256	0.168	0.2276785	0.204	0.2619289	0.258	0.2751879	0.2745	-0.01	0.005 0	048 0	0.018	0.003 -0.0	0.06235649954
	0.4359775		0.2613318		0.4105534		0.2444703		0.2784877		0.2796564						-0.02 0.009	
	0.4533073		0.2736209		0.4857916		0.2751937		0.3384791		0.3367697						-0.09 -0.09	
Correlated > 0.2 Remove 6 'shared poi ratio'		0.3615	0.2788671	0.256	0.4386206		0.2853361		0.3056008	0.281	0.3059411	0.2755	-0.02	-0.01 0	067 -	-0.03	0.047 0.049	
Correlated > 0.2 Remove 7 'long term incenti			0.2779677		0.4798439		0.2718916		0.3871490		0.3843222						-0.15 -0.15	
Correlated > 0.2 Remove 8 'deferred income'			0.2849137		0.4562162		0.2944997		0.3632050		0.3575916						0.037 0.038	
Correlated > 0.2 Remove 9 'to poi ratio'	0.5031152		0.3252544		0.4974823		0.3326867		0.4298963		0.4406405						-0.11 -0.14	
Correlated > 0.2 Remove 10 'salary'	0.4858131		0.3644148		0.5852941		0.3676748		0.4416941		0.4310344						-0.01 0.008	
Correlated > 0.2 Remove 11 'bonus'	0.4688869		0.2156424		0.3295880		0.2192837		0.2201533		0.2188864						0.422 0.41	
Correlated > 0.2 Remove 12 'total stock valu			0.2743362		0.2691190		0.2743362		0.2743362		0.2743362						-0.16 -0.16	
Removed 7 Adverse Features, Test Remain		0.021	J.L. 10002	0.51	J.E031190	0.270	J.L1 1000Z	0.51	5.E1 1000Z	0.51	J.L1 4000Z	0.01	0.07	5.17	J.U T -	3.10	3.10 -0.10	0.0010100124
6 Features Selected	0.4123774	0 3365	0.3588596	0 321	0.5768194	0.214	0.3641774	0.3365	0.2905679	0.2865	0.2902574	0.2875						
Remove from Bottom 1 'expenses'	0.4123774		0.4038954		0.5554347		0.4112008		0.2914937		0.3044838		0.01	0.11	1 02	0 11	0.004 -0.0	-0.2659416156
<u>'</u>	0.4824624		0.2838405		0.4631463		0.2728690		0.2914937		0.3044636						-0.04 -0.02	
Remove from Bottom 3 'deferred income'	0.4678076		0.3123993		0.5517241		0.3217115		0.3689526		0.3690349						-0.09 -0.10	
	0.4853700		0.3400163		0.5317241		0.3217113		0.3089320		0.3090349						-0.09 -0.10	
Remove from Bottom 4 'to_poi_ratio' Remove from Bottom 5 'bonus'																		
Remove from Bottom 5 bonus	0.4605451	0.321	0.2743362	0.31	0.2746615	0.204	0.2743362	0.31	0.2743362	0.31	0.2743362	0.51	-0.01	0.171 0	342 0). 140	0.215 0.212	2 0.8552723137
6 Features Selected	0.4123774	0.3365	0.3588596	0.321	0.5768194	0.214	0.3641774	0.3365	0.2905679	0.2865	0.2902574	0.2875						
Remove from Top 1 'bonus'	0.3964497		0.3519788		0.4397590		0.3412572		0.3108808		0.3100734		0.050	-0.00.0	168 0	0.036	-0.03 -0.02	0.2164762719
Remove from Top 2 'to_poi_ratio'	0.3401015		0.3603559		0.4279918		0.3610705		0.3077322		0.3082549						0.006 0.002	
Remove from Top 3 'deferred income'	0.3340635		0.2492239		0.3466819		0.2504347		0.3329994		0.3291457						-0.06 -0.08	
Remove from Top 4 'shared receipt with poi'	0.5546655		0.2983835		0.3014996		0.3040069		0.3144876		0.3143712						0.039 0.027	
Remove from Top 5 'expenses'	0		0.1330816		0.1529152		0.1330816		0.1330816		0.1330816	0.141					0.351 0.35	
Identify Adverse Features	U	U	0.1330010	0.141	0.1329132	0.139	0.1330010	0.141	0.1330010	0.141	0.1330010	0.141	U	0.303 0	200 0	0.570	0.551 0.55	1.297217302
Selected 6 Features from Iterations	0.4123774	0.3365	0.3588596	0.321	0.5768194	0.214	0.3641774	0.3365	0.2905679	0.2865	0.2902574	0.2875						
	0.4123774		0.3987730		0.5580110		0.3041774		0.2952674		0.2902374		-0.01	-0.10	0.01	0 11	-0.00 -0.0	-0.2646075976
Remove Individual from Bottom 2 'shared rec			0.3533007		0.5693641		0.4111392		0.2932074		0.2994845						-0.04 -0.09	
Remove Individual from Bottom 3 'deferred in			0.3533007		0.5604681		0.4039145		0.3821689		0.3195235						-0.04 -0.03	
Remove Individual from Bottom 4 'to poi ratio			0.3521784		0.4822451		0.4039145		0.3673901		0.3621593						-0.17 -0.17	
Remove Individual from Bottom 4 to_poi_ratio	0.4843636		0.3521784		0.4822451		0.3588390		0.3669994		0.3621593						-0.13 -0.12	
Remove Individual from Bottom 6 'exercised_ Remove 'expense' First of the 3 Identified F		0.3015	0.3548046	0.336	0.4367088	0.1725	0.3504452	0.3345	0.3085655	0.299	0.3091482	0.294	0.050	-0.01 0	181 0	0.015	-0.03 -0.02	0.2068279947
		0.0405	0.0007700	0.00	0.5500440	0.0505	0.4444000	0.400	0.0050074	0.007	0.0004045	0.0005						
Sans 'expenses' 5 features	0.4227188		0.3987730		0.5580110		0.4111392		0.2952674		0.2994845	0.2905	0.05	0.004.0	140.0	1 274	0.00 0.00	0.5560504500
Remove Individual from Bottom 2 'shared_rec			0.2886327		0.4593406		0.2773417		0.3158738		0.3219616						-0.02 -0.03	
Remove Individual from Bottom 3 'deferred_in			0.4401294		0.5319767		0.4346174		0.3524667		0.3433190						-0.14 -0.1	
Remove Individual from Bottom 4 'to_poi_ratio			0.3326403		0.5107212		0.3293506		0.3255330		0.3261441						-0.05 -0.04	
Remove Individual from Bottom 5 'bonus'	0.5233918		0.3773245		0.4754273		0.3700361		0.4413875		0.4364508						-0.22 -0.2	
Remove Individual from Bottom 6 'exercised_	0.4783861	0.332	0.4376845	0.3705	0.5152173	0.237	0.4522584	0.3955	0.3451276	0.2975	0.3529069	0.3035	-0.04	-0.01 0	058 -	-0.03	-0.06 -0.06	-0.09926459136
Sans 'deferred_income', from sans 'Expense'	0.3821405	0.291	0.4439631	0.41	0.5228628	0.263	0.4334600	0.399	0.3549160	0.37	0.3498334	0.3675						

Enron POI Detection Selection Chart

water windows from Botton 4 ftp.001, abo 0, 9476474 0.2816 0.389573 0.3926 0.485518 0.4926 0.4855 0.4856 0.485518 0.2826 0.485518									
	Remove Individual from Bottom 2 'shared_rec 0	0.4678076	0.287 0.3102522	0.289 0.5334706	0.259 0.3134962	0.295 0.3668763	0.35 0.3691239	0.3455 -0.08 0.254 -0.00 0.223 0.008 0.002	0.3984394801
## Part	Remove Individual from Bottom 4 'to_poi_ratio 0	0.4074074	0.2805 0.3605700	0.3795 0.5744234	0.274 0.3693779	0.386 0.4303126	0.406 0.4227513	0.3995 -0.01 0.113 -0.06 0.077 -0.11 -0.10	0.002251047154
Image: Control Second of the J Section Second of the J Section Second of the J Section Section Second of Section S	Remove Individual from Bottom 5 'bonus'	0.5019493	0.2575 0.4496996	0.2995 0.4912099	0.2375 0.4402467	0.2855 0.5461035	0.459 0.5482509	0.4545 -0.08 0.104 0.057 0.106 -0.28 -0.28	-0.09786651613
was vertically convert Seteburse vertical process of 23716902 0.346 0.4196905 0.340 0.326 0.52600 0.32	Remove Individual from Bottom 6 'exercised_ 0	0.3137254	0.184 0.4802065	0.4185 0.4827235	0.2375 0.4795008	0.4035 0.3339755	0.26 0.3389283	0.2625 0.175 -0.04 0.065 -0.05 0.130 0.115	0.2767105687
## Part	Remove 'deferred_income' Second of the 3 le	dentified Fe	atures						
move inclosed as from Sortina 1 years of 1972 and 1972 an	Sans 'deferred_income' 5 features 0	0.3719692	0.3145 0.4194865	0.3595 0.5719844	0.2205 0.4023391	0.344 0.3849016	0.362 0.3812797	0.3605	
Part	Remove Individual from Bottom 1 'expenses' 0	0.3821405	0.291 0.4409190	0.403 0.5186246	0.2715 0.4342672	0.403 0.3464083	0.3665 0.3491152	0.365 0.013 -0.06 0.002 -0.09 0.033 0.027	-0.1061786549
## Part	Remove Individual from Bottom 2 'shared_rec 0	0.4331700	0.3095 0.3326003	0.3025 0.5382775	0.225 0.3245714	0.284 0.3827775	0.3845 0.3812405	0.378 -0.05 0.143 0.029 0.137 -0.02 -0.01	0.2342842746
ans deferred_income* protein 6 vexerolated_0 0.3226500 0.2065 0.306506 0.4070519 0.2155 0.3070508 0.0069 0.0069 0.006 0.006 0.006 0.006 0.007 0.107 0.127 0.42907719 ass: deferred_income***. To pol_ratio 0.4709220 0.206 0.0059005 0.4025 0.3020373 0.227 0.3070508 0.3059040 0.3025 0.4703273 0.4703273 0.4703	Remove Individual from Bottom 4 'to_poi_ratio 0	0.4179523	0.298 0.3980827	0.3945 0.5206611	0.2205 0.4050632	0.4 0.4387229	0.426 0.4389865	0.4245 -0.02 -0.01 0.051 -0.05 -0.11 -0.12	-0.1683013778
and "deferred_income", "ta_pel_rati" 0.4179503	Remove Individual from Bottom 5 'bonus' 0	0.4208494	0.2725 0.4114318	0.3635 0.4568273	0.2275 0.4189342	0.3695 0.3710691	0.354 0.3696682	0.351 -0.00 0.004 0.108 -0.04 0.021 0.021	0.08506913705
emove individual from Bottom 1 Supermer 1, 4874774 1, 2806 5 0.2542487	Remove Individual from Bottom 6 'exercised_ 0	0.3522650	0.2605 0.3658286	0.3565 0.4570519	0.2155 0.3679586	0.356 0.3066088	0.283 0.3163481	0.298 0.073 0.056 0.119 0.022 0.157 0.127	0.429967919
emove individual from Bottom 1 Supermer 1, 4874774 1, 2806 5 0.2542487									
entowe Individual from Bottom 2 Shared_For 0. 4480788	Sans 'deferred_income', 'to_poi_ratio 0	0.4179523	0.298 0.4059505	0.4025 0.5302013	0.237 0.3976697	0.3925 0.4367934	0.425 0.4350515	0.422	
entiver Individual from Bottom 6 Storage* 0,389787	Remove Individual from Bottom 1 'expenses' 0	0.4074074	0.2805 0.3622497	0.38 0.5816216	0.269 0.3655040	0.3825 0.4272823	0.4025 0.4264392	0.4 0.028 0.066 -0.08 0.042 0.032 0.030	0.08500213518
emove individual from Bottom 6 veercined. 9. 4849383 9. 331 0.38002891 9. 305 0.5487053 9. 305 0.3812890 9. 305 0.4812890 9. 305 0.4	Remove Individual from Bottom 2 'shared_rec 0	0.4820384	0.2885 0.4066193	0.43 0.6031128	0.31 0.4102325	0.441 0.4246778	0.4285 0.4222113	0.4315 -0.05 -0.02 -0.14 -0.06 0.008 0.003	-0.2811137473
are brough 'fisher de l'accepte d'incepte 'Third of the 3 Identified Features are brough 'fisher de l'accepte d'incepte 'Third of the 3 Identified Features are brough 'fisher de l'accepte d'incepte d'ince	Remove Individual from Bottom 5 'bonus' 0	0.4387672	0.2705 0.3575	0.429 0.4408482	0.1975 0.3549729	0.4265 0.4009287	0.3885 0.4037170	0.391 0.006 0.021 0.128 0.008 0.072 0.062	0.2385501732
sers braurés features 0.4484988 0.333 0.3920681 0.355 0.347058 0.3255 0.3487053 0.3256 0.3457053 0.3256 0.3457053 0.3256 0.3457053 0.3256 0.3457053 0.3256 0.3457053 0.3256 0.3457053 0.3256 0.34570687 0.3256 0.3457058 0.3256 0.34570687 0.3256 0.3457058 0.34570587 0.3255 0.3458705 0.3457058 0.3255 0.3458705 0.3457058 0.345705	Remove Individual from Bottom 6 'exercised_ 0	0.3830845		0.371 0.3680297	0.1485 0.3811280	0.3615 0.3145743	0.327 0.3109726	0.3245 0.101 0.046 0.250 0.047 0.220 0.221	0.6672243207
emove individual from Bottom 1 'expenses' 0.5233918 0.358 0.3791844 0.3115 0.5097192 0.286 0.3659730 0.396 0.4409118 0.3975 0.404 0.021 0.037 -0.02 -0.011 -0.12 -0.33395 0.4170087 0.3555 0.5341385 0.1095 0.4170087 0.3555 0.5341385 0.3955 0.425248 0.375 0.432304 0.375 0.4288184 0.372 0.044 0.02 0.037 -0.02 -0.011 -0.12 -0.33395 0.4169370 0.3255 0.5341385 0.3955 0.425248 0.375 0.432304 0.3355 0.3675847 0.347 0.124 0.03 0.081 -0.05 -0.03 -0.03 0.0686378105 emove individual from Bottom 4 % pol., ratio page 3.0455 0.345387 0.3455 0.445947 0.2355 0.425248 0.375 0.432334 0.308 0.30145 0.315 0.3102388 0.398 0.017 0.16 0.02 0.079 -0.01 -0.00 -0.01 0.01496888666 emove individual from Bottom 4 % pol., ratio page 3.0455 0.4161280 0.1955 0.385310 0.395 0.4161283 0.365 0.4161283 0.365 0.3162334 0.365 0.3162334 0.308 0.3012538 0.325 0.309 0.017 0.18 0.005 0.083 0.075 0.5781219645 0.385 0.385418 0.375 0.4161283 0.385 0.3162334 0.355 0.385418 0.375 0.3162334 0.37518 0.335 0.3461234 0.355 0.385418 0.375 0.3162334 0.355 0.385418 0.375 0.3162334 0.37518 0.335 0.3461234 0.355 0.385418 0.378 0.3162334 0.37518 0.335 0.3461234 0.355 0.385418 0.37518 0.335 0.3461234 0.355 0.385418 0.37518 0.335 0.3461234 0.355 0.385418 0.37518 0.335 0.3461234 0.355 0.3563418 0.345 0.345 0.308 0.345 0.208 0.341 0.240 0.245 0.2824525058 0.309 0.345	Remove 'deferred_income' Third of the 3 Idea	ntified Featu	ıres						
emove individual from Bottom 1 'expenses' 0.5233918	_			0.3505 0.5487053	0.2225 0.3843630	0.3515 0.3713278	0.316 0.3649041	0.314	
emove individual from Bottom 3 'deferred_in 0 4208494	Remove Individual from Bottom 1 'expenses' 0	0.5233918	0.358 0.3791844	0.3115 0.5097192	0.236 0.3659730	0.299 0.4381350	0.3665 0.4409118	0.3675 -0.06 0.051 0.025 0.070 -0.11 -0.12	-0.03308561945
emove Individual from Bottom 4 10_pol_ratio 0.4892857 0.3425 0.3853871 0.403 0.4786985 0.2135 0.3883106 0.394 0.3790860 0.317 0.3808383 0.318 -0.01 -0.02 0.079 -0.01 -0.00 -0.01 0.01409868006 emove Individual from Bottom 6' exercised_ 0.3407015 0.1675 0.380158 0.365 0.4161290 0.1935 0.3812334 0.366 0.3041611 0.295 0.3102536 0.239 0.309 0.017 0.161 0.005 0.083 0.075 0.5781219645	Remove Individual from Bottom 2 'shared rec 0	0.5251353	0.3395 0.4170087	0.3555 0.5341365	0.1995 0.4171668	0.3475 0.4293044	0.3765 0.4288184	0.372 -0.04 -0.02 0.037 -0.02 -0.11 -0.12	-0.1869340082
emove Individual from Bottom 4 10_pol_ratio 0.4892857 0.3425 0.3853871 0.403 0.4786985 0.2135 0.3883106 0.394 0.3790860 0.317 0.3808383 0.318 -0.01 -0.02 0.079 -0.01 -0.00 -0.01 0.01409868006 emove Individual from Bottom 6' exercised_ 0.3407015 0.1675 0.380158 0.365 0.4161290 0.1935 0.3812334 0.366 0.3041611 0.295 0.3102536 0.239 0.309 0.017 0.161 0.005 0.083 0.075 0.5781219645	Remove Individual from Bottom 3 'deferred in 0	0.4208494	0.2725 0.4125282	0.3655 0.4541947	0.2355 0.4252548	0.3755 0.3703509	0.3535 0.3675847	0.347 0.124 -0.03 0.081 -0.06 -0.03 -0.03	0.06863978105
emove Individual from Bottom 6 'exercised, 9.3401015 0.1675 0.3603158 0.365 0.4161290 0.1935 0.3612334 0.369 0.3084161 0.295 0.3102536 0.2935 0.309 0.017 0.161 0.005 0.083 0.075 0.5781219645 are bonus, 'shared_receipt_with_poi' 4 feet 10.5251353 0.3395 0.4163742 0.356 0.523898 0.2075 0.4174584 0.3515 0.4307518 0.381 0.4373918 0.379			0.3425 0.3653671	0.403 0.4786995	0.2135 0.3583106	0.3945 0.3780560	0.317 0.3808383	0.318 -0.01 -0.02 0.079 -0.01 -0.00 -0.01	0.01409886806
ans 'bonus', 'shared_receipt_with_po' 4 feat 0.5251353 0.3395 0.4163742 0.356 0.5239988 0.2075 0.4174584 0.3515 0.4307518 0.381 0.4373918 0.379 emove Individual from Bottom 1 'expenses' 0.5310936 0.3715 0.244 0.183 0.3740554 0.1485 0.2507082 0.177 0.3060046 0.265 0.3078271 0.2635 0.030 0.040 0.195 0.175 0.210 0.164 0.162 0.8294552058 emove Individual from Bottom 4 To por_ratio 0.6622119 0.366 0.5159655 0.509 0.4849898 0.2175 0.5048543 0.490 0.4055555 0.3526346 0.3045 0.3500576 0.3035 0.044 0.195 0.175 0.210 0.164 0.162 0.8294552058 emove Individual from Bottom 6 vaccinism of the control			0.1675 0.3603158	0.365 0.4161290	0.1935 0.3612334		0.295 0.3102536	0.2935 0.309 0.017 0.161 0.005 0.083 0.075	
emove Individual from Boltom 1 'expenses' 0.5310936 0.3715 0.244 0.183 0.3740554 0.1485 0.2507082 0.177 0.3060046 0.265 0.3078271 0.2655 0.3082 0.03 0.345 0.208 0.341 0.240 0.245 1.098347893 emove Individual from Boltom 3 'deferred_in 0.4950584 0.2755 0.3112931 0.266 0.3888242 0.167 0.3094411 0.2556 0.3526346 0.3045 0.300576 0.3055 0.094 0.195 0.175 0.210 0.154 0.162 0.829452058 0.094 0.1050 0.10505555 0.005555 0.0055 0.1050 0.004 0.105 0.175 0.210 0.154 0.162 0.829452058 0.00000 0.00000 0.0000 0.00000 0.00000 0.00000 0.0000 0.00000 0.00000 0.00000									
emove Individual from Bottom 3 'deferred_in' 0.4950584 0 .2755 0.3112931 0 .286 0.3888242 0 .167 0.3034441 0 .2555 0.3526346 0 .3045 0.3050576 0 .3035 0.094 0.195 0.175 0 .210 0 .154 0.162 0 .8294552058 emove Individual from Bottom 4 to_pol_ratio 0 .5622119 0 .366 0.5159655 0 .509 0.4884989 0 .2175 0.5048543 0 .494 0 .4055555 0 .327 0 .2800798 0 .2805 0 .280 0 .280 0 .087 0 .174 0 .086 0 .257 0 .255 0 .8861604969 everse Testing of Optimal Features oversign of Optimal Features ***Exercised_stock_options'	Sans 'bonus', 'shared receipt with poi' 4 feat 0	0.5251353	0.3395 0.4163742	0.356 0.5239898	0.2075 0.4174584	0.3515 0.4307518	0.381 0.4373918	0.379	
emove Individual from Bottom 4 'to_poi_ratio 0.5622119 0.366 0.5159655 0.509 0.4849498 0.2175 0.5048643 0.494 0.4055555 0.365 0.4154187 0.375 0.06 0.25 0.029 0.20 0.041 0.026 0.4758274919 wereverse Testing of Optimal Features exercised stock, options' spenses,' openses,' op	Remove Individual from Bottom 1 'expenses' 0	0.5310936	0.3715 0.244	0.183 0.3740554	0.1485 0.2507082	0.177 0.3060046	0.265 0.3078271	0.2635 -0.03 0.345 0.208 0.341 0.240 0.245	1.098347893
emove Individual from Bottom 6 'exercised_ 0.422222 0.1615 0.3534115 0.3315 0.3759086 0.181 0.3509513 0.332 0.275555 0.279 0.2800798 0.280 0.280 0.087 0.174 0.086 0.257 0.255 0.8861604969	Remove Individual from Bottom 3 'deferred in 0	0.4950584	0.2755 0.3112931	0.266 0.3888242	0.167 0.3034441	0.2555 0.3526346	0.3045 0.3500576	0.3035 0.094 0.195 0.175 0.210 0.154 0.162	0.8294552058
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Exercised, stock, options' appenses', corrected, stock, value' 0.5453910 0.3905 0.4261867 0.4085 0.4994026 0.209 0.4441568 0.4275 0.3199554 0.227 0.3282446 0.287 0.3282446 0.287 0.3085 0.376508 0.342 0.666 0.245 0.11 0.220 0.058 0.083 0.4783440508 0.285 0.388599 0.385 0.3785 0.388559 0.388599 0.3735 0.5349544 0.264 0.3894790 0.385 0.3795641 0.3435 0.3705308 0.342 0.666 0.245 0.11 0.220 0.058 0.083 0.4783440508 0.285 0.389549 0.285 0.389549 0.285 0.389549 0.285 0.389549 0.285 0.389549 0.285 0.389549 0.285 0.389549 0.285 0.013 0.160 0.052 0.167 0.302 0.326 0.7163947361 0.285 0.389549 0.285 0.389549 0.285 0.389549 0.285 0.013 0.160 0.052 0.167 0.302 0.326 0.7163947361 0.285 0.2462510 0.2551353 0.3395 0.4132086 0.3535 0.5367741 0.208 0.4137323 0.3525 0.4865451 0.228 0.2422459 0.2285 0.013 0.160 0.052 0.167 0.302 0.326 0.7163947361 0.285 0.2462510 0.2551353 0.3395 0.4132086 0.3855 0.586741 0.208 0.4137323 0.3525 0.4865451 0.228 0.422245 0.43 0.00 0.080 0.03 0.072 0.06 0.04 0.0457914727 0.285 0.2462510 0.2551353 0.399547 0.336 0.399547 0.336 0.45894 0.345 0.4586487 0.3455 0.389648 0.3495 0.3895 0.38954 0.345 0.38954 0.345 0.399547 0.3855 0.38952 0.39952 0.39952 0.39952 0.38952 0.39	Remove Individual from Bottom 6 'exercised 0	0.4222222	0.1615 0.3534115	0.3315 0.3759086	0.181 0.3509513	0.332 0.2755555	0.279 0.2800798	0.2805 0.280 0.087 0.174 0.086 0.257 0.255	0.8861604969
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lus 'from_this_person_to_poi' 0.4622132 0.3425 0.4853333 0.455 0.5170789 0.2195 0.4908136 0.4675 0.4377630 0.364 0.4390539 0.362 0.123 0.067 -0.05 0.036 -0.02 -0.00 0.1504561615	Plus 'other'	0.5181818	0.285 0.4948453	0.48 0.5103785	0.209 0.4979508	0.486 0.3245526	0.3265 0.3165754	0.318 0.125 0.033 -0.03 0.011 0.123 0.160	0.2597491707
	Plus 'from_poi_ratio'	0.5312264	0.353 0.4742923	0.4105 0.5	0.1945 0.4655270	0.4085 0.3494047	0.2935 0.3518518	0.2945 0.043 0.123 -0.00 0.121 0.132 0.149	0.4117077335
us 'to_messages' 0.4995898 0.3045 0.3981481 0.43 0.5117581 0.2285 0.3963922 0.4285 0.3798681 0.317 0.3797468 0.315 0.124 0.179 -0.05 0.170 0.078 0.100 0.4979018551	Plus 'from_this_person_to_poi'	0.4622132	0.3425 0.4853333	0.455 0.5170789	0.2195 0.4908136	0.4675 0.4377630	0.364 0.4390539	0.362 0.123 0.067 -0.05 0.036 -0.02 -0.00	0.1504561615
	Plus 'to_messages'	0.4995898	0.3045 0.3981481	0.43 0.5117581	0.2285 0.3963922	0.4285 0.3798681	0.317 0.3797468	0.315 0.124 0.179 -0.05 0.170 0.078 0.100	0.4979018551

Enron POI Detection Selection Chart

Plus 'restricted stock deferred'	0.1629062	1	0.5060913	0.4085	0.5058593	0.250	0.5002578	0.485	0.3620405	0.33	0.3622222	0.326	-0.23 0.003	0.07	0.000	1 082 0 1	107	-0.217497086	87	
Plus 'from messages'	0.5645967		0.4362511		0.4845814		0.4377945		0.3859263		0.3885869		-0.03 0.113					0.19350809		
Plus 'deferral_payments'	0.5532087		0.4888324		0.4825102		0.4858012		0.4069119		0.4052251		0.034 0.037					0.0743936692		
Plus 'director fees'	0.1621402		0.4747327		0.4644230		0.4667644		0.3827493		0.3831168		-0.23 0.044					-0.121151459		
Miscellaneous/Legacy Features	0.1021402		0.4141321	0.4003	0.4044230	0.2413	0.4007044	0.4773	0.5021495	0.555	0.3031100	0.554	-0.23 0.044	-0.01	0.050	7.037 0.0	030	-0.12113143	-	
['exercised_stock_options', 'shared_receipt_with_poi', 'bonus']	0.4074074	0.2805	0.3661176	0.389	0.5767955	0.261	0.3638086	0.384	0.4274364	0.4035	0.4258271	0.399								
['exercised_stock_options', 'shared_receipt_with_poi', 'to_poi_ratio', 'expenses']	0.42085	0.2725	0.41422	0.367	0.47314	0.229	0.42497	0.3795	0.36924	0.3565	0.41311	0.353								
['exercised_stock_options', 'to_poi_ratio']	0.53194	0.254	0.34241	0.283	0.44604	0.2025	0.3427	0.2865	0.35458	0.3115	0.36838	0.212								
['exercised_stock_options', 'to_poi_ratio', 'bonus']	0.46781	0.287	0.31618	0.295	0.54898	0.283	0.31132	0.297	0.37701	0.351	0.48135	0.3485								
['exercised_stock_options', 'to_poi_ratio', 'expenses']	0.49506	0.2755	0.30357	0.255	0.40337	0.1795	0.30893	0.2595	0.34658	0.2965	0.38201	0.2485								
['exercised_stock_options', 'to_poi_ratio', 'shared_poi_ratio']	0.52365	0.321	0.27778	0.2075	0.44084	0.2105	0.2828	0.208	0.36373	0.357	0.45203	0.278								
['exercised_stock_options', 'to_poi_ratio', 'shared_receipt_with_poi']	0.50195	0.2575	0.43919	0.2925	0.49947	0.2365	0.44571	0.2935	0.55164	0.462	0.42159	0.289								
Email Features																				
email_2	0.0654	0.024	0.33612	0.362	0.30448	0.299	0.354	0.394	0.38837	0.454	0.38751	0.453								
email_1: 'to_poi_ratio' only	0.03077	0.002	0.22483	0.326	0.18462	0.252	0.22483	0.326	0.22483	0.326	0.22483	0.326								
Financial and E-mail Features																				
	GuassianNE	3	Decision Tr	ee	Random Fo	orest	AdaboostD	TC	PCA-DTC		Tuned-PCA									
	Precision F		Precision	Recall	Precision	Recall	Precision	Recall			Precision	Recall								
Correlated > 0.2 Financial Only (10 Features)	0.18703	0.2235	0.27	0.275	0.41873	0.152	0.27778	0.28	0.29558	0.2975	0.19378	0.349								
Correlated > 0.2 E-mail Only (3 Features)	0.09625	0.1	0.2599	0.302	0.29922	0.231	0.23892	0.275	0.20925	0.285	0.20395	0.289								
Original Email Features	0.01023	0.009	0.19103	0.277	0.18253	0.117	0.19343	0.271	0.19651	0.349										
Created Email Features	0.18796	0.206	0.23451	0.318	0.31638	0.224	0.23229	0.318	0.20789	0.29										